

### **Abstract of the Disclosure**

A method and apparatus for the simultaneous removal of superficial epidermal skin cells and unwanted hair using strategically structured laser pulses. The apparatus of the invention includes an optical crystal which, when pumped, will produce uniquely structured pulses of laser light. More particularly, each produced pulse has a first portion of a first duration and a first wavelength and a second portion of a second duration and a second wavelength. In accordance with the method of the invention the first portion of the pulse is directed toward a selected target area for a first period of time and in a manner to raise the temperature of the lower portion of the human tissue located within the target area sufficiently to elicit a heating response that will accomplish hair reduction. At the end of the first period of time, the second portion of the pulse of laser light is directed toward the target area for a second period of time in order to raise the temperature of the upper portion of the tissue located within target area sufficiently to elicit a heating response that will rejuvenate the skin located within the target area.